



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

DATE: **AUG 13 2017**

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
BWAY Corporation, Chicago, Illinois

FROM: Muhammed Shuaibi, Environmental Engineer
AECAB (IL/IN)

THRU: Nathan Frank, Section Chief
AECAB (IL/IN)

TO: File

BASIC INFORMATION

Facility Name: BWAY Corporation

Facility Location: 3200 S. Kilbourn, Chicago, IL 60623

Date of Inspection: July 21, 2017

Lead Inspector: Muhammed Shuaibi, Environmental Engineer, US EPA

Other Attendees:

1. Dakota Prentice, Environmental Engineer, US EPA
2. Bill Franek, Illinois EPA
3. John Thiersch, VP of Engineering & Technical Services, BWAY Corporation
4. Byron Bubloni, Materials Center Supervisor, BWAY Corporation
5. Owen Bomar, Control and Safety Engineering, BWAY Corporation
6. Harold Whitecotton, Maintenance Manager, BWAY Corporation
7. Allen Coppolo (via phone), Director, Environmental Health and Safety, BWAY Corporation

Purpose of Inspection: Response to citizen complaint.

Facility Type: Steel can manufacturer

Arrival Time: 1:10 pm

Departure Time: 2:40 pm

Inspection Type:

- ☒ Unannounced Inspection
- ☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from BWAY personnel unless otherwise noted.

Process Description:

Rolled steel arrives at the facility in 18,000-22,000 lb coils of varying gauges. Coils are unrolled and cut into sheets. Sheet metal that is to be painted (~60%) proceeds through one of two spray booths before joining the plain metal to be coated. Sheet metal enters one of four decorating lines, each consisting of a lithographic coater and curing oven. Decorating lines are operated under a permanent total enclosure (PTE). Emissions from Lines 2,3,4 are routed to an RTO while emissions off Line 1 are routed to a separate RTO. Sheet metal exiting the coating lines is stock-piled for later fabrication. Coated sheet metal can then be fabricated into components or sent to an assembly line for can production.

Staff Interview: When asked about the parameters being monitored at the RTO, Mr. Bomar described their recent installation of a continuous parametric monitoring system (CPMS) which monitors the temperature and air flow at the RTOs. The CPMS system generates an email if monitored parameters deviate from the operating range. BWAY personnel also stated that a parametric deviation results in an automatic shutdown of the associated production unit. When asked about VOC emissions from the spray booth Mr. Thiersch stated that the spray booths utilize a powder spray.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

Five videos were collected by the EPA with an infrared camera. See Appendix B.

Field Measurements: were not taken during this inspection.

CLOSING CONFERENCE**Requested documents:**

- Most recent stack test
- Odor Management Plan

Concerns: EPA noticed possible emissions not being captured by an overhead hood at Line #4. EPA also observed potential emissions from an uncontrolled roof vent.

SIGNATURES

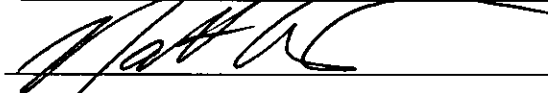
Lead Inspector:



Date:

07/31/17

Section Chief:



Date:

8/3/17

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APPENDICES AND ATTACHMENTS

Appendix A: Photo Log

- Inspection photos: Documented in Appendix A, attached as external storage media, and maintained at C:\Users\mshuaibi\Documents\Cases\BWAY Corp\Photos.

Appendix B: Video Log

- Inspection videos: Documented in Appendix B, attached as external storage media, and maintained at C:\Users\mshuaibi\Documents\Cases\BWAY Corp\Videos.

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APPENDIX A: PHOTO LOG

- IMG_0417.JPG- Side view of line 4 hood
- IMG_0418.JPG- Front view of line 4 hood
- IMG_0419.JPG- Roof vents adjacent to line 4 hood
- IMG_0420.JPG- Roof stacks
- IMG_0421.JPG- Roof stack near PTE

APPENDIX B: VIDEO LOG

- MOV_1703.mp4- RTO Stacks
- MOV_1704.mp4- Line 4 oven
- MOV_1705.mp4- Line 4 oven
- MOV_1706.mp4- Spray line stacks
- MOV_1707.mp4- Unknown roof vent